



# ASSIST

AUSTRALIAN SCHOOL SCIENCE  
INFORMATION SUPPORT FOR  
TEACHERS AND TECHNICIANS

Published on ASSIST (<https://assist.asta.edu.au>)

[Home](#) > [Gaining height](#)

---

## Gaining height

Posted by [sat](#) on Sun, 2014-03-16 15:01

This online resource is a good demonstration of the transfer of energy.

The resource give details of a teacher demonstration on the energy transformations involved in a collision between a basketball and a tennis ball.

A tennis ball is positioned on top of a basketball and the two are dropped from a height. The tennis ball is spectacularly propelled high into the air when they collide with the floor.

The resource also gives a detailed explanation of what's going on and how to take things further.

Australian Curriculum v9 Codes: AC9S8U05 (Year 8), AC9S9U05 (Year 9), AC9S10U05 (Year 10)

### **Tags:**

[gravitational potential energy](#)

[kinetic energy](#)

[energy transfer](#)

[linear motion](#)

[gravity](#)

[collision](#)

### **External Link:**

[Gaining height](#)

### **Source Category:**

[Educational](#)

[Gaining height](#)



[https://assist.asta.edu.au/httpdocs/sites/assist.asta.edu.au/files/styles/desktop\\_resource\\_details\\_view/public/Gaining%20height\\_2.png?itok=...](https://assist.asta.edu.au/httpdocs/sites/assist.asta.edu.au/files/styles/desktop_resource_details_view/public/Gaining%20height_2.png?itok=...)



No votes yet

**Publication Date:**

August, 2003

Conservation of energy

---

**Source URL:** <https://assist.asta.edu.au/resource/495/gaining-height>